ELSEVIER

Journal of Magnetism and Magnetic Materials 150 (1995) 437–440

Journal of magnetism and magnetic materials

Author index to volume 150

Abou El Ata, A.M., see Ismael, H. 403
Ahmed, M.A., see El Hiti, M.A. 399
Ahmed, M.A., see Ismael, H. 403
Ahmed, M.A., see Mosaad, M.M. 51
Albertini, F., see Morellon, L. L285
Algarabel, P.A., see Morellon, L. L285
An, H.K., see Kang, J.-S. 323
André, G., see Schobinger-Papamantellos, P. 311
Aoki, Y., H. Sato, H. Sugawara, P. Svoboda, R. Settai, Y. Ōnuki and K. Sugiyama, *Anisotropic magnetic and transport properties of* $NdCu_2$ 151
Apostolov, A., R. Bezdushnyi, R. Damianova, N. Stanev and I. Naumova, The effect of absorbed hydrogen on *the magnetic properties of* $DyFe_{11}Ti$ 393
Arnold, Z., see Morellon, L. L285
Asadov, K., see Zock, Ch. 253
Attia, S.M., see El Hiti, M.A. 399
Attia, S.M., see Mosaad, M.M. 51

Bahadur, D., see Misra, S.K. 430
Barandiarán, J.M., see Crespo, P. 409
Bärner, K., see Zock, Ch. 253
Bass, S., see Woolley, J.C. 353
Baudry, A., see Luche, M.C. 175
Ben Youssef, J., see Vukadinovic, N. 213
Bezdushnyi, R., see Apostolov, A. 393
Bocaranda, P., see Woolley, J.C. 353
Bordin, G., G. Buttino, A. Cecchetti and M. Poppi, Magnetoelastic effects in soft nanocrystalline Fe-based alloys 363
Bose, T.K., see Foldeaki, M. 421
Bousseksou, A., see Lemercier, G. 227
Boyer, P., see Luche, M.C. 175
Brabers, J.H.V.J., see Tang, N. 241
Brookes, N.B., see Vogel, J. 293
Buchachenko, A.L., see Dyakonov, A.J. 231
Buschow, K.H.J., see Moze, O. 345
Buschow, K.H.J., see Mulder, F.M. 25
Buschow, K.H.J., see Schobinger-Papamantellos, P. 311
Buschow, K.H.J., see Tang, N. 241
Buttino, G., see Bordin, G. 363

Cecchetti, A., see Bordin, G. 363
Chahine, R., see Foldeaki, M. 421
Crespo, P., I. Navarro, A. Hernando, P. Rodríguez, A. García Escorial, J.M. Barandiarán, O. Drbohlav and A.R. Yavari, Magnetic and structural properties of as-milled and heat-treated bcc-$Fe_{70}Cu_{30}$ alloy 409

Damianova, R., see Apostolov, A. 393
De Boer, F.R., see Tang, N. 241
De Jongh, L.J., see Mulder, F.M. 25
Ding, J., D. Maurice, W.F. Miao, P.G. McCormick and R. *Street, Hexaferrite magnetic materials prepared by mechanical alloying* 417
Drbohlav, O., see Crespo, P. 409
Dubenko, I.S., I.V. Golosovsky, E. Gratz, R.Z. Levitin, A.S. Markosyan, I. Mirebeau and S.V. Sharygin, Neutron diffraction study of magnetic properties of $TmCo_2$ 304
Dubovik, V.M., M.A. Martsenyuk and N.M. Martsenyuk, Theory of the Curie–Weiss behaviour of an aggregated magnetic suspension 105
Dyakonov, A.J., B.J. McCormick, P.K. Kahol, N.J. Pinto, H.H. Hamdeh, M.M. Levitsky and A.L. Buchachenko, Exchange interactions in polymetallic organosiloxanes 231

Ehrenberg, H., I. Svoboda, G. Wltschek, M. Wiesmann, F. Trouw, H. Weitzel and H. Fuess, Crystal and magnetic *structure of* α-$NiMoO_4$ 371
Ehrenberg, H., see Wiesmann, M. L1
El-Hiti, M.A., see Mosaad, M.M. 51
El Hiti, M.A., M.A. Ahmed, M.M. Mosaad and S.M. Attia, Dielectric behaviour of Cu–Cr ferrites 399
El Hiti, M.A., see Ismael, H. 403
El Nimr, M.K., see Ismael, H. 403
Ensling, J., see Klinger, R. 277
Etilé, M., see Hossain, Z. 223

Fermon, C., see Luche, M.C. 175
Fert, A.R., see Raquet, B. L5
Fidler, J., see Fischer, R. 329
Fischer, R., T. Schrefl, H. Kronmüller and J. Fidler, Phase distribution and computed magnetic properties of high-remanent composite magnets 329
Foldeaki, M., R. Chahine, B.R. Gopal and T.K. Bose, Investigation of the magnetic properties of the $Gd_{1-x}Er_x$ *alloy system in the* $x < 0.62$ *composition* range 421

Fomicheva, L., see Nakamura, H. L137
Fuess, H., see Ehrenberg, H. 371
Fuess, H., see Wiesmann, M. *L1*
Fuggle, J.C., see Vogel, J. 293

Gabbasova, Z.V., see Sabitov, R.M. 68
Gamari-Seale, H. and H. Vlassi, Spin reorientation in $Nd_{0.5}R_{0.5}Co_4Ga$ compounds (R = Pr, Er) 63
García Escorial, A., see Crespo, P. 409
Glazkova, M.A., see Khramov, D.A. *101*
Godart, C., see Hossain, Z. 223
Goedkoop, J.B., see Vogel, J. *293*
Goiran, M., see Raquet, B. L5
Golosovsky, I.V., see Dubenko, I.S. 304
Gopal, B.R., see Foldeaki, M. *421*
Görnert, P., see Sürig, C. 270
Gratz, E., see Dubenko, I.S. *304*
Greneche, J.M., see Lahlou-Mimi, M. 263
Gron, T., see Zock, Ch. 253
Grössinger, R., see Guslienko, K.Yu. 383
Gupta, A. and G.P. Gupta, Susceptibility and Mössbauer study of temperature-dependent phase transition in biomolecules 189
Gupta, G.P., see Gupta, A. *189*
Gupta, L.C., see Hossain, Z. 223
Guslienko, K.Yu., X.C. Kou and R. Grössinger, Magnetic anisotropy and spin-reorientation transitions in $RFe_{11}Ti$ (R = Nd, Tb, Dy, Er) rare-earth intermetallics 383
Gütlich, P., see Klinger, R. 277

Hamdeh, H.H., see Dyakonov, A.J. *231*
Haupt, L., see Zock, Ch. 253
Hempel, K.A., see Sürig, C. 270
Hernando, A., see Crespo, P. 409
Herzer, G., see Twarowski, K. 85
Hong, J.H., see Kang, J.-S. *323*
Hossain, Z., R. Nagarajan, M. Etilé, C. Godart, J.P. Kappler, L.C. Gupta and R. Vijayaraghavan, Structural, magnetic and Mössbauer studies of a new equiatomic Eu-based stanniide: EuAgSn 223
Hrianca, I. and I. Mălăescu, The rf magnetic permeability of statically magnetized ferrofluids 131
Hwang, D.W., see Kang, J.-S. *323*

Ibarra, M.R., see Morellon, L. L285
Inoue, K., see Nakamura, H. L137
Ismael, H., M.K. El Nimr, A.M. Abou El Ata, M.A. El Hiti, M.A. Ahmed and A.A. Murakhowskii, Dielectric behavior of hexaferrites $BaCo_{2-x}Zn_xFe_{16}O_{27}$ 403

Jachow, H., see Klinger, R. 277
Jeong, J.I., see Kang, J.-S. 323

Kahol, P.K., see Dyakonov, A.J. 231
Kahrizi, M., see Misra, S.K. *430*
Kamarád, J., see Morellon, L. L285
Kaneko, T., see Ohta, S. 157
Kang, J.-S., D.W. Hwang, J.H. Hong, J.I. Jeong, H.K. An, Y.P. Lee, J.J. Lee and K.H. Kim, Angle-resolved photoemission study of Pd(111) and Co/Pd(111) 323
Kanomata, T., see Ohta, S. 157
Kappert, R.J.H., see Vogel, J. *293*
Kappler, J.P., see Hossain, Z. 223
Khmou, A., see Raquet, B. *L5*
Khramov, D.A., M.A. Glazkova, V.Yu. Nagy, S.S. Meshalkin, V.S. Urusov, N.S. Ovanesyan and V.S. Rusakov, The spin glass transition in tin-containing pseudobrookite 101
Kim, H.J., see Zhang, H.W. *377*
Kim, K.H., see Kang, J.-S. 323
Klinger, R., J. Ensling, H. Jachow, W. Meisel, E. Schwab and P. Gütlich, ^{57}Fe Mössbauer studies of α-$(Fe_xCr_{1-x})_2O_3$ compounds 277
Kou, X.C., see Guslienko, K.Yu. *383*
Kronmüller, H., see Fischer, R. 329
Krotenko, E.B., X.X. Zhang and J. Tejada, Self-heating in magnetic relaxation experiments in $TbFeO_3$ single crystal and Fe_3Tb metallic alloy 119
Kuźmiński, M., see Twarowski, K. 85

Lachowicz, H.K., see Twarowski, K. *85*
Lahlou-Mimi, M. and J.M. Greneche, Computer simulation and magnetic frustration in cubic antiferromagnets *263*
Lamarche, A.-M., see Woolley, J.C. 353
Lamarche, G., see Woolley, J.C. 353
Lee, J.J., see Kang, J.-S. 323
Lee, Y.P., see Kang, J.-S. 323
Le Gall, H., see Vukadinovic, N. *213*
Lemercier, G., A. Bousseksou, M. Verelst, F. Varret and J.P. Tuchagues, Dynamic spin-crossover in $[Fe^{II}(TRIM)_2]Cl_2$ investigated by Mössbauer spectroscopy and magnetic measurements 227
Levitin, R.Z., see Dubenko, I.S. 304
Levitsky, M.M., see Dyakonov, A.J. 231
Li, Z.W., X.Z. Zhou and A.H. Morrish, Structure and magnetic properties of gas-phase prepared $Sm_2Fe_{17-x}Si_xC_y$ 57
Luche, M.C., A. Baudry, P. Boyer, J.L. Rouvière, C. Fermon and C. Miramond, Structure and magnetism of *dysprosium/zirconium multilayers* 175

Mălăescu, I., see Hrianca, I. *131*
Malaman, B., see Venturini, G. 197
Mamy, R., see Raquet, B. L5
Marinero, E.E., see Vogel, J. *293*
Markosyan, A.S., see Dubenko, I.S. 304
Martsenyuk, M.A., see Dubovik, V.M. *105*
Martsenyuk, N.M., see Dubovik, V.M. 105
Maurice, D., see Ding, J. 417
McCormick, B.J., see Dyakonov, A.J. 231
McCormick, P.G., see Ding, J. 417
Meisel, W., see Klinger, R. *277*
Mentink, S.A.M., see Moze, O. 345
Meshalkin, S.S., see Khramov, D.A. *101*

Metlov, K.L., see Tomáš, I. 75
Miao, W.F., see Ding, J. 417
Miramond, C., see Luche, M.C. 175
Mirebeau, I., see Dubenko, I.S. 304
Misra, S.K., M. Kahrizi, K. Singh, N. Venkatramani and D. Bahadur, EPR, X-ray, and magnetization studies of metastable alloys Ti_2Fe, $Al_{40}Cu_{10}Mn_{25}Ge_{25}$ and $Al_{65}Cu_{20}Fe_{15}$ as prepared by mechanical alloying 430
Miyazaki, T., see Sato, T. 146
Morellon, L., P.A. Algarabel, M.R. Ibarra, J. Kamarád, Z. Arnold, L. Pareti, F. Albertini and A. Paoluzi, Magnetic anisotropy and pressure dependence of the order temperature in the $Gd_3(FeTi)_{29}$ compound (Letter to the Editor) L285
Moriwaki, M., see Nakamura, H. L137
Morocoima, M., see Woolley, J.C. 353
Morrish, A.H., see Li, Z.W. 57
Mosaad, M.M., M.A. Ahmed, M.A. El-Hiti and S.M. Attia, Semiconductive properties of Cu–Cr ferrites 51
Mosaad, M.M., see El Hiti, M.A. 399
Moze, O., S.A.M. Mentink, G.H. Nieuwenhuys and K.H.J. Buschow, Note on the crystal structure and the magnetic properties of the compound $CeNi_9In_2$ 345
Mulder, F.M., R.C. Thiel, L.J. de Jongh and K.H.J. Buschow, Anomalous temperature dependence of the electric field gradient at the Gd nuclear site in intermetallic compounds 25
Müller, R., see Sürig, C. 270
Murakhowskii, A.A., see Ismael, H. 403

Nagarajan, R., see Hossain, Z. 223
Nagy, V.Yu., see Khramov, D.A. 101
Nakamura, H., M. Moriwaki, M. Shiga, K. Inoue, Y. Nakamura, A.V. Tsvyashchenko and L. Fomicheva, ^{55}Mn nuclear magnetic resonance study of high-pressure synthesized hexagonal $DyMn_2$, $TbMn_2$ and $GdMn_2$ (Letter to the Editor) L137
Nakamura, Y., see Nakamura, H. L137
Naumova, I., see Apostolov, A. 393
Navarro, I., see Crespo, P. 409
Nieuwenhuys, G.H., see Moze, O. 345
Novotny, M.A., see Richards, H.L. 37

Ohta, S., T. Kaneko, H. Yoshida, T. Kanomata and H. Yamauchi, Pressure effect on the magnetic transition temperatures and thermal expansion in chromium ternary pnictides CrMAs (M = Ni, Rh) 157
Ōnuki, Y., see Aoki, Y. 151
Ortega, M.D., see Raquet, B. L5
Ousset, J.C., see Raquet, B. L5
Ovanesyan, N.S., see Khramov, D.A. 101

Paoluzi, A., see Morellon, L. L285
Păpuşoi, C., see Stancu, A. 124
Pareti, L., see Morellon, L. L285
Pietrus, T., see Pilawa, B. 165
Pilawa, B. and T. Pietrus, Magnetic properties of the one-dimensional Heisenberg antiferromagnet tetraphenylverdazyl 165
Pinto, N.J., see Dyakonov, A.J. 231
Poppi, M., see Bordin, G. 363

Quintero, M., see Woolley, J.C. 353

Rancourt, D.G. and R.B. Scorzelli, Low-spin γ-Fe–Ni (γ_{LS}) proposed as a new mineral in Fe–Ni-bearing meteorites: epitaxial intergrowth of γ_{LS} and tetrataenite as a possible equilibrium state at ~ 20–40 at% Ni 30
Raquet, B., M.D. Ortega, M. Goiran, A.R. Fert, J.P. Redoules, R. Mamy, J.C. Ousset, A. Sdaq and A. Khmou, Dynamical properties of magnetization reversal in an ultrathin Au/Co film (Letter to the Editor) L5
Redoules, J.P., see Raquet, B. L5
Ressouche, E., see Venturini, G. 197
Richards, H.L., S.W. Sides, M.A. Novotny and P.A. Rikvold, Magnetization switching in nanoscale ferromagnetic grains: description by a kinetic Ising model 37
Rikvold, P.A., see Richards, H.L. 37
Rodríguez-Carvajal, J., see Schobinger-Papamantellos, P. 311
Rodríguez, P., see Crespo, P. 409
Rouvière, J.L., see Luche, M.C. 175
Rusakov, V.S., see Khramov, D.A. 101

Sabitov, R.M., R.M. Vakhitov and Z.V. Gabbasova, Structure and properties of domain walls in a (111)-oriented plate of crystals with combined anisotropy 68
Sacchi, M., see Vogel, J. 293
Safa, M. and B.K. Tanner, The effect of capping layers on low-angle Bragg peaks from copper–cobalt multilayers (Letter to the Editor) L290
Sato, H., see Aoki, Y. 151
Sato, T. and T. Miyazaki, Changes in magneto-optical spectra due to the disorder–order transition in $Ni_{75}Fe_{25}$ and $Fe_{50}Co_{50}$ thin films 146
Schobinger-Papamantellos, P., J. Rodríguez-Carvajal, G. André and K.H.J. Buschow, Re-entrant ferrimagnetism in $TbMn_6Ge_6$ 311
Schrefl, T., see Fischer, R. 329
Schumann, R., On the irreversible susceptibility of a textured Stoner–Wohlfarth ensemble 349
Schwab, E., see Klinger, R. 277
Scorzelli, R.B., see Rancourt, D.G. 30
Sdaq, A., see Raquet, B. L5
Settai, R., see Aoki, Y. 151
Sharygin, S.V., see Dubenko, I.S. 304
Shiga, M., see Nakamura, H. L137
Sides, S.W., see Richards, H.L. 37
Singh, K., see Misra, S.K. 430
Sławska-Waniewska, A., see Twarowski, K. 85
Slonczewski, J.C., Overview of interlayer exchange theory 13
Spînu, L., see Stancu, A. 124
Stancu, A., C. Păpuşoi and L. Spînu, Mixed-type models of hysteresis 124

Stanev, N., see Apostolov, A. 393
Street, R., see Ding, J. 417
Sugawara, H., see Aoki, Y. 151
Sugiyama, K., see Aoki, Y. 151
Sürig, C., K.A. Hempel, R. Müller and P. Görnert, Investigations on $Zn_{2-x}Co_xW$-type hexaferrite powders at low temperatures by ferromagnetic resonance 270
Svoboda, I., see Ehrenberg, H. 371
Svoboda, P., see Aoki, Y. 151

Tang, I.M. and S. Varamit, An improved mean field theory for mixed spinel ferrites 93
Tang, N., D.C. Zeng, J.H.V.J. Brabers, F.R. de Boer and K.H.J. Buschow, Magnetic properties of rare earth *compounds of the type* $RCo_{11}Ti$ 241
Tanner, B.K., see Safa, M. L290
Tejada, J., see Krotenko, E.B. 119
Thiel, R.C., see Mulder, F.M. 25
Todris, B.M., see Zock, Ch. 253
Tomáš, I., G. Vértesy and K.L. Metlov, On the coupling between the domain wall coercivity and susceptibility 75
Trouw, F., see Ehrenberg, H. 371
Tsvyashchenko, A.V., see Nakamura, H. L137
Tuchagues, J.P., see Lemercier, G. 227
Twarowski, K., M. Kuźmiński, A. Ślawska-Waniewska, *H.K. Lachowicz and G. Herzer, Magnetostriction and* its temperature dependence in FeCuNbSiB nanocrys*talline alloy* 85

Urusov, V.S., see Khramov, D.A. 101

Vakhitov, R.M., see Sabitov, R.M. 68
Van der Laan, G., see Vogel, J. 293
Varamit, S., see Tang, I.M. 93
Varret, F., see Lemercier, G. 227
Venkatramani, N., see Misra, S.K. 430
Venturini, G., R. Welter, E. Ressouche and B. Malaman, Neutron diffraction study of $Nd_{0.35}La_{0.65}Mn_2Si_2$: A $SmMn_2Ge_2$-like magnetic behaviour compound 197
Verelst, M., see Lemercier, G. 227
Vértesy, G., see Tomáš, I. 75
Vijayaraghavan, R., see Hossain, Z. 223
Vlassi, H., see Gamari-Seale, H. 63
Vogel, J., M. Sacchi, R.J.H. Kappert, J.C. Fuggle, J.B. Goedkoop, N.B. Brookes, G. van der Laan and E.E. Marinero, Magnetic properties of Fe and Tb in Tb_xFe_{1-x} amorphous films studied with soft X-ray circular and linear dichroism 293
Vukadinovic, N., J. Ben Youssef and H. Le Gall, Influence of magnetic parameters on microwave absorption of domain mode ferromagnetic resonance 213

Weitzel, H., see Ehrenberg, H. 371
Weitzel, H., see Wiesmann, M. L1
Welter, R., see Venturini, G. 197
Wiesmann, M., H. Ehrenberg, G. Wltschek, P. Zinn, H. Weitzel and H. Fuess, Crystal structures and magnetic properties of the high-pressure modifications of $CoMoO_4$ and $NiMoO_4$ L1
Wiesmann, M., see Ehrenberg, H. 371
Wltschek, G., see Ehrenberg, H. 371
Wltschek, G., see Wiesmann, M. L1
Woolley, J.C., S. Bass, A.-M. Lamarche, G. Lamarche, M. Quintero, M. Morocoima and P. Bocaranda, Magnetic behaviour of some $Mn.III_2.VI_4$ compounds and their alloys 353

Yamauchi, H., see Ohta, S. 157
Yang, S.Q., see Zhang, H.W. 377
Yavari, A.R., see Crespo, P. 409
Yehia, S., Torque and magnetization study of the canting model 247
Yoshida, H., see Ohta, S. 157

Zavadskii, E.A., see Zock, Ch. 253
Zeng, D.C., see Tang, N. 241
Zhang, H.W., H.J. Kim and S.Q. Yang, Structure and magneto-optical properties of fine-grain garnet . thin films 377
Zhang, X.X., see Krotenko, E.B. 119
Zhou, X.Z., see Li, Z.W. 57
Zinn, P., see Wiesmann, M. L1
Zock, Ch., L. Haupt, K. Bärner, B.M. Todris, K. Asadov, E.A. Zavadskii and T. Gron, Magnetic and electrical properties of Cu substituted $La_{1-x}Ca_xCoO_3$ crystals 253
Zubrzycki, A., A complex Ginzburg–Landau equation in magnetism (*Letter to the Editor*) L143

ELSEVIER

Journal of Magnetism and Magnetic Materials 150 (1995) 441–442

journal of magnetism and magnetic materials

Subject index to volume 150

Amorphous systems 363
Anisotropy 151, 157, 363
–combined 68
–energy 175
–magnetic L285
–magnetocrystalline 57, 124, 241, 247, 383
Anisotropy field 270
Antiferromagnetism 30, 253, 263, 353

Band structure 323

Chaotic behavior L143
Coercivity 75, 329, 409, 417
Computer simulation 263
Crystal field 151, 383
Crystal field effect 293
Crystal structure L1, L137, 345, 371
Curie temperature 51, 57, 63
Curie–Weiss behavior 353

Dielectric behavior 403
Dielectric constant 399
Dielectric loss 399
Disorder
–alloys 430
Disorder–order transition 146
Domain
–structure 68, 75, 213, 409
–wall 68, 75

Electric resistivity 51
Electron spin resonance 165
Exchange 231, 263
–indirect 93
–interchain 165
Exchange coupling
–interlayer 13
–non-Heisenberg 13

Ferrimagnetism
–re-entrant 311
Ferrites 51, 93, 399, 403, 417
–hexagonal 270
Ferromagnetic materials 277
Ferromagnetic resonance 213, 270
Ferromagnetism 30, 231, 421
Ferromagnets
–nanoscale 37
–uniaxial L143
Fine particles 105, 131, 417
Frustration 101, 263

Garnets 75, 377
Ginzburg–Landau model L143
Ground state 231

Hall effect 151
Hard magnetic materials L285
Hybridization 323
Hydrogen absorption 393
Hyperfine field 277
Hysteresis loops L5, 68, 124, 253, 363

Interface roughness L290
Intermetallic compounds 223
Ising model 37

Kerr effect L5, 146

Laves-phase compounds L137
Low-dimensional systems 165

Magnetic fluid 105, 131
Magnetic force microscopy 37
Magnetic moment 253
Magnetic ordering 25, 197
–antiferromagnetic L1, 311
–long-range 304
–temperature 393, 430
Magnetic recording media 277
Magnetic structure 371
Magnetization 131, 151, 421
–high-field 241
–processes 124, 247, 349
–remanent 329
–reversal L5, 37
–saturation 57, 417
–temperature dependent 63, 197
Magneto-optical recording media 323
Magneto-optics 146, 377
Magnetocaloric effect 151
Magnetoelastics 363
Magnetoresistance 151
–giant L290
Magnetostriction 85
Magnetovolume effect L285
Mean-field approximation 93, 231
Mechanical alloying 430
Metastable phases 37, 430
Microdomains L5
Micromagnetism 329
Microstructure 131, 377
Microwave 403
Microwave absorption 213
Mössbauer effect 223
Mössbauer spectroscopy 25, 30, 189, 227, 277, 409
Multilayers 175
–metallic L290

Nanometric crystals 85, 363
Néel temperature 157
Neutron diffraction 197, 311, 345, 304
NMR L137

Permanent magnets 57, 329, 417
Permeability 85, 131
Phase transitions 189
–magnetic 157, 421
Pressure effect 30, 157, L285
Proximity magnetism 13

Rare earth–metal compounds 304
Rare earth–transition metal compounds 63, 241, 247, 329, 383
–interstitial carbides 57
Rare earths
–alloys 421
–compounds 25, 151, 197, 253, 311
–ternary compounds 223, 345, 393
Re-entrant ferromagnetism 197

0304-8853/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

Relaxation 189
–magnetic 119
Relaxation effect 227

Self-heating 119
Semiconductivity 51, 253
Soft magnetic materials 75
Specific heat 165
Spin crossover 227
Spin glass 101, 253, 353
Spin-reorientation transitions 63, 68, 383, 421
Stoner–Wohlfarth model 349
Structure 223
Superparamagnetism 105, 409
Susceptibility 75, 105, 151, 189, 213, 349, 353
–ac 241
–magnetic L1, 371

Thermal expansion 157
Thin films 75, 146, 377

–amorphous 293
–ferromagnetic L5
–multilayer 323
–rare earth 175
Tunnelling 119

Viscosity 349
–magnetic 119
Vogel–Fulcher law 101
X-ray dichroism 293